

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	"10524143"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/23 11:52
S1	23688	lithium near battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 16:59
S2	5	S1 and separator and nonwoven and thickness and porosity and (pore near radius) and (oxide near particles) and (Zr or Si)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 17:04
S3	6	S1 and separator and nonwoven and thickness and porosity and (pore near radius) and (Zr or Si)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 17:05
S4	21	separator and nonwoven and thickness and porosity and (pore near radius) and (Zr or Si)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 17:08
S5	240	separator and nonwoven and thickness and porosity and (Zr or Si)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 17:44
S6	13	separator and nonwoven and (inorganic near coating) and thickness and porosity and (Zr or Si)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 17:42

S7	16	separator and nonwoven and (inorganic near5 coating) and thickness and porosity and (Zr or Si)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 17:30
S8	68	separator and nonwoven and (inorganic near5 coating)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 17:32
S9	37	separator and nonwoven and (inorganic near coating)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 17:33
S10	247	separator and nonwoven and (coating same (Si or Al or Zr))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 17:34
S11	156	S10 and battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 17:34
S12	319	separator and (inorganic near coating)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 17:48
S13	304	S12 not S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 17:45
S14	784	separator and (inorganic near5 coating)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 18:02
S15	480	S14 not S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 17:48

S16	131	S15 and battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 17:48
S17	876	separator and (inorganic) and nonwoven and lithium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 18:02
S18	155	separator and (inorganic) same nonwoven and lithium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 18:09
S19	142	S18 and battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 18:03
S20	9	battery and separator same nonwoven same (inorganic near coat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 18:11
S21	38	battery and separator same (inorganic near coat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 18:14
S22	4	battery and nonwoven near5 separator same (inorganic near coat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 18:15
S23	3	henninge same volker.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 19:42
S24	94	hying same christian.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 18:23

S25	0	horpel same gernard.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 18:23
S26	27	horpel same gerhard.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 18:23
S27	7	S26 not S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 18:29
S28	448	separator same (oxide near particles)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 18:33
S29	81	S28 and lithium and battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 18:30
S30	9	separator same (oxide near particles) same nonwoven	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 18:47
S31	20	separator and (oxide near particles) same nonwoven	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 18:49
S32	107	separator and (metal near oxide) same nonwoven	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 19:02
S33	22	S32 and porosity and thickness and battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 18:50

S34	1078	separator and ((Aluminum or Al) or (Silicon or Si) or Zr oxide) same nonwoven	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 19:04
S35	676	separator and ((Aluminum or Al) or (Silicon or Si) or Zr same oxide) same nonwoven	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 19:06
S36	327	S35 and battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 19:05
S37	415	separator and ((Aluminum) or (Silicon or Si) or Zr same oxide) same nonwoven	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 19:31
S38	22	separator and (porous near inorganic near coating)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 19:38
S39	20	separator and (porous near inorganic) same nonwoven	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 19:40
S40	41	separator and (porous near5 coating) same nonwoven	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 19:42
S41	22	separator and (oxide near5 coating) same nonwoven	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 19:50
S42	17	separator and (aluminum near oxide) same nonwoven	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 20:19

S43	9	("4699857"   "5089360"   "5171647"   "5202178"   "5401594"   "5631102"   "5942354"   "6051335"   "6284680").FN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/26 20:03
S44	0	("6495292"). URPN.	USPAT	OR	OFF	2007/09/26 20:05
S45	0	("6495292"). URPN.	USPAT	OR	OFF	2007/09/26 20:05
S46	0	("6495292"). URPN.	USPAT	OR	OFF	2007/09/26 20:05
S47	26	separator and (inorganic near filler) same nonwoven	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 20:17
S48	11	separator and (aluminum near oxide) same nonwoven and porosity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 20:20
S49	44	separator same (aluminum near oxide)and nonwoven	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 20:21
S50	47	separator and (pore near radius) same microns	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 13:46
S51	413	separator and (pore near radii)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 13:53
S52	66	S51 and aluminum near oxide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 13:53

S53	47	separator and (pore near radii) same microns	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 14:00
S54	45	S53 not S52	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 13:54
S55	4795	separator and (pore near (radii or diameter))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 14:01
S56	776	separator and (pore near (radii or diameter)) same mm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 14:01
S57	43	separator and (pore near (radii or diameter)) near mm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 14:03
S58	6	separator same (pore near (radii or diameter)) near mm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 14:07
S59	10	separator same (pore near (radii or diameter)) near "100"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 14:09
S60	0	separator same (pore near radii) near "100"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 14:09
S61	2	separator same (pore near radii) near "75"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 14:10

S62	0	separator same (pore near radii) near "150"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 14:10
S63	4	separator same (pore near radii) near2 "150"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 14:10
S64	0	separator same (pore near radii) near2 "100"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 14:10
S65	7	separator same (pore near radii) near2 "75"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 14:13
S66	54	separator same (pore near radii) near2um	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 14:17
S67	0	separator same (pore near radii) near2 um	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 14:14
S68	0	separator same (pore near radii) near2 (" .mu.m")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 14:15
S69	0	separator same (pore near radii) near (" .mu.m")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 14:15
S70	0	separator same (pore near radii) near "200"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 14:23



S71	4	"10326607".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 14:43
S72	2	"5389471".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 14:24
S73	249	separator same porosity same nonwoven	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 15:01
S74	163	separator same (pore near size) same nonwoven	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 15:02
S75	4	"10326607".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 19:11
S76	2	"4264691".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 19:43
S77	1	S76 and diameter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 19:44
S78	3	"4330602".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 19:44
S79	0	S78 and fiber near diameter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 19:44

S80	0	S78 and fiber near5 diameter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 19:44
S81	1	S78 and diameter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 20:38
S82	442	429/129.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 20:38
S83	563	429/144.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 20:38
S84	305	429/145.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 20:38

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